

Advancing Integrated Models (AIM) of Care to Improve Pregnancy Outcomes among Women Who Experience Persistent Disparities


Tuesday, March 28, 2:00-3:00pm ET

RFA-NR-23-002

Technical Assistance Pre-Application Webinar



National Institute
of Nursing Research



NINR Mission: Leading nursing science to solve pressing health challenges and inform practice and policy – optimizing health and advancing health equity into the future

Research Lenses – Examining Health Challenges



Health Equity



**Social Determinants
of Health**



**Population and
Community Health**



**Prevention and Health
Promotion**



**Systems and Models
of Care**

Webinar Tips

- This webinar is being recorded
- All participants, except NIH staff, have been muted
- Participants may use the Q&A box to submit questions
- Scientific inquiries and ideas for research projects will not be discussed. Please e-mail scientific questions to Shalanda.Bynum@nih.gov
- Today's slides and recording will be posted to our NINR website at ninr.nih.gov/newsandinformation/events/rfa-nr-23-002-webinar
- If you experience technical difficulties during the webinar, please send an email to Joanna Case at jcase@betah.com



Agenda

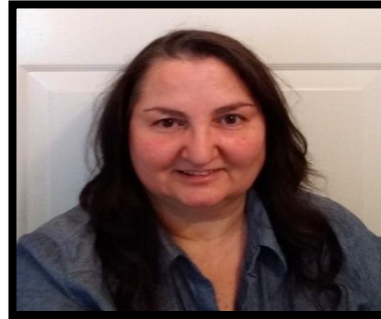
TOPIC	PRESENTER
Introduction	Shalanda A. Bynum, Program Director
Advancing Integrated Models (AIM) of Care Overview	Shalanda A. Bynum, Program Director
National Institute on Minority Health and Health Disparities	Priscah Mujuru, Program Director
Office of Research on Women's Health	Miya Whitaker, Program Officer
Data Management and Sharing Plan (DMSP)	Liz Perruccio, Program Director
Peer Review Information	Hoa Vo, Scientific Review Officer
Question and Answer	Shweta Singh, AAAS Fellow



Pre-Application Webinar Panelists



Shalanda A. Bynum, PhD, MPH
Program Director, National Institute of
Nursing Research



Liz Perruccio, PhD
Program Director, National Institute of
Nursing Research



Priscah Mujuru, DrPH, MPH, RN, COHN-S
Program Director, National Institute on
Minority Health and Health Disparities



Shweta Singh, PhD, MSN, RN
AAAS Science & Technology Policy
Fellow



Hoa Vo, PhD
Scientific Review Officer,
Center for Scientific Review



Miya Whitaker, PsyD, MA
Program Officer, Office of Research on
Women's Health

Purpose

Stimulate research to develop or evaluate supportive care models that address healthcare access and/or healthcare quality, together with structural or social inequities to prevent adverse pregnancy outcomes among racial and ethnic minority women



The Why

Standard models of care to prevent disparities in pregnancy outcomes have had limited effectiveness

Factors contributing to adverse pregnancy outcomes point to the need for improved healthcare access, enhanced healthcare quality, and the elimination of adverse structural and social conditions and unmet social needs

Integrated care that addresses both social and obstetric care inequities holds promise



Key Definitions

- Integrated Supportive Care: addresses healthcare access or healthcare quality and social needs or the structural or social conditions in which people live, work, worship, and play through us of:
 - Supportive care persons (e.g., doula, community health worker, patient navigator)
 - Supportive care services, resources, and strategies to address factors such as food, housing, transportation, and income at the individual-, community-, or structural-level



Key Definitions Cont.

- Structural conditions encompass economic, legal, political, regulatory, and cultural forces and systems
- Social conditions refer to the conditions in which people are born, live, learn, work, play, worship, and age
- Social needs are individual- or family-level social risk factors, such as low income, food insecurity, social isolation, or housing instability



Key Research Components

1. Intervention or Evaluation research
2. Incorporate a conceptual framework and explain how the outcome(s) selected for the study are ultimately important for preventing adverse pregnancy outcomes
3. As appropriate, involve the priority population of pregnant/postpartum women in the research process
4. When possible, follow women early in pregnancy



Key Research Components: Populations

- Racial/ethnic populations experiencing disparities in pregnancy outcomes
 - Black / African American
 - American Indian / Alaska Native
 - Native Hawaiian / Other Pacific Islander
 - Hispanic / Latina
 - Asian

Key Research Components: Domains of Interest

- Target healthcare access and/or healthcare quality in combination with structural/social conditions or social needs within the context of supportive care
- Focus within each domain can include:
 - Healthcare access related to appointment scheduling, care coordination
 - Healthcare quality related to labor and delivery support
 - Structural and social conditions or social needs related to racism and discrimination, food

Key Research Components: Health Outcomes

- Morbidity and mortality due to comorbid conditions
- Severe maternal morbidity defined by the CDC or state
- Factors for which risk is markedly elevated during and following the period of pregnancy
- Health behaviors that increase risk

Intervention

- Testing new integrated supportive care interventions or adapting existing interventions within any system of pregnancy care or delivery
 - Hospitals / Community clinics
 - Community organizations

Study
Type



Evaluation

- Evaluate the impact of policies and programs on pregnancy outcomes among racial and ethnic minority populations who experience persistent disparities
 - Federal, tribal, state, local, or organizational

**Study
Type**



Plan for Enhancing Diverse Perspectives

Required

- Applications must include a Plan for Enhancing Diverse Perspectives (PEDP) submitted as Other Project Information as an attachment
- The PEDP will be assessed as part of the scientific and technical peer review evaluation, as well as at the programmatic level with respect to funding decisions

Non-Responsive Applications

1. Projects that do not focus on integrated supportive care as outlined in the opportunity
2. Projects that do not focus on women at higher risk of maternal morbidity or mortality when compared to non-Hispanic White women
3. Projects that do not incorporate a conceptual framework
4. Projects focusing on women outside the United States

NINR Anticipated Number of Awards

- The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications

4-6 awards

Technical Assistance Pre-Application Webinar

RFA-NR-23-002

**Advancing Integrated Models (AIM) of Care to Improve
Pregnancy Outcomes among Women Who Experience
Persistent Disparities**

Priscah Mujuru DR.PH, MPH, RN
Health Scientist Administrator – Program Officer
Division of Extramural Scientific Programs



Contact
Priscah Mujuru DR.PH, MPH, RN
priscah.mujuru@nih.gov



National Institute
on Minority Health
and Health Disparities

Research Priorities

- Studies that adapt systems-level interventions to identify and improve outcomes for racial and ethnic minority women at high risk for pregnancy complications
- Studies that address increased use of telehealth or other technological tools in integrated care to rapidly identify onset of chronic diseases or complications during pregnancy and postpartum and to maintain the high-risk women in quality obstetric care to prevent adverse health outcomes
- Studies that address the impact of discrimination, bias, and racism on maternal mortality and morbidity outcomes for high-risk racial and ethnic women across systems of care and levels of influence
- Interventions studies that address multiple levels of influence (individual, interpersonal, community, and/or societal) within the health care system that impact women with Limited English Proficiency, immigrant women, and women from other underserved minority populations on maternal health
- Scalable intervention or implementation or comparative effectiveness research studies that integrate models of care with community-based or peer support models such as doula, patient navigators, home visiting, and social service providers
- Studies examining integrated models of care (e.g., considering the whole person, including mental health screening and services) and/or linking to appropriate community services/ referrals
- Studies that test evidence-based models for pre-conception and postpartum care and support
- Studies examining patient-centered strategies to improve care and maternal health



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on Minority Health
and Health Disparities



**NIH, Office of Research on Women's Health
(ORWH)**

Miya Whitaker, PsyD, MA
Program Officer



ORWH Mission



Enhance and expand women's health research



Include women and minority groups in clinical research

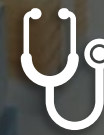


Promote career advancement for women in biomedical careers

NIH Vision



Sex and gender integrated into biomedical research

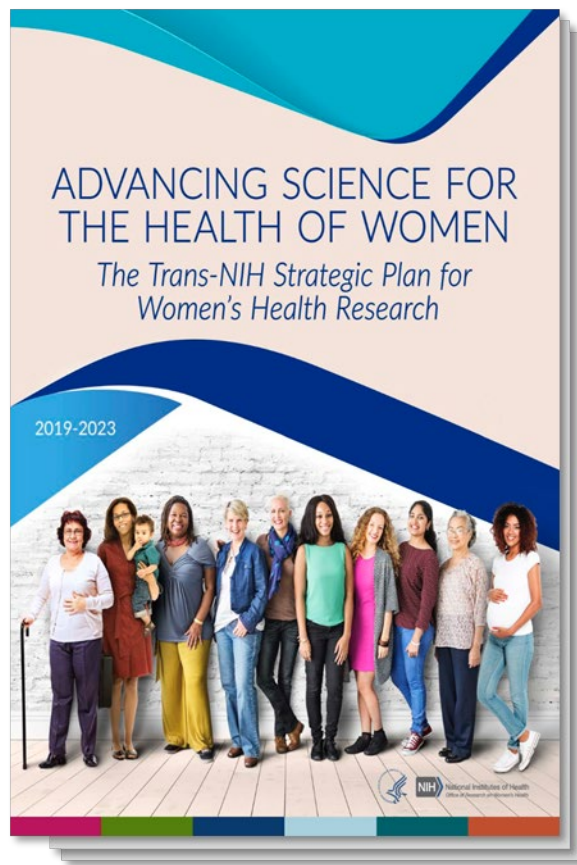


Every woman receives evidence-based care



Women in science careers reach their full potential

The 2019-2023 Trans-NIH Strategic Plan for Women's Health Research



Strategic Goals



Advance rigorous research that is relevant to the health of women



Develop methods and leverage data sources that consider sex and gender



Enhance dissemination and implementation of evidence to improve the health of women



Promote training and careers to advance science for the health of women



Improve evaluation of research that is relevant to the health of women





NIH Office of Research on Women's Health (ORWH)

ORWH

The Office is interested in co-funding interdisciplinary research focused on groups of women and girls who are understudied, underrepresented, and underreported in research, exploring sex and gender differences in health and disease, considering intersectionality and multidimensional frameworks, and intervening across multiple levels in partnership with diverse stakeholders.

Scientific Research Interests:

- Proposals that use a multidimensional framework to explore the intersection of factors that underlie maternal morbidity and mortality patterns and consider integrated care models which mitigate the impact of social determinants on maternal mental and physical health outcomes
- Proposals that incorporate screening for unmet social needs, leverage complementary multi-sectorial partnerships to improve health and care utilization and use equity-centered, evidence-based approaches to close gaps are of particular interest





NIH DMS Policy

Key Points for Researchers

Liz Perruccio, MS, PhD
Program Director, NINR



National Institute
of Nursing Research



KEY POINTS

- Data Management and Sharing (DMS) Policy is in effect as of **January 25, 2023**. **All applications submitted after this date require a DMS Plan!**
- NIH Program staff need to review and approve your DMS Plan **before an award can be made**
- **A Single Plan** required for research subject to both the Genomic Data Sharing (GDS) Policy and the Data Management and Sharing (DMS) Policy
- Always **check the FOA** for specific/additional ICO-specific requirements for DMS
- **Allowable DMS costs** can be requested in the budget and budget justification sections
- *Your Best Friend:* sharing.nih.gov website...lots of details/resources, including [DMS Plan optional format page](#), [sample DMS plans](#), [selecting a data repository](#), [NIH-supported repositories](#), [DMS Policy FAQs](#), and other guidance!

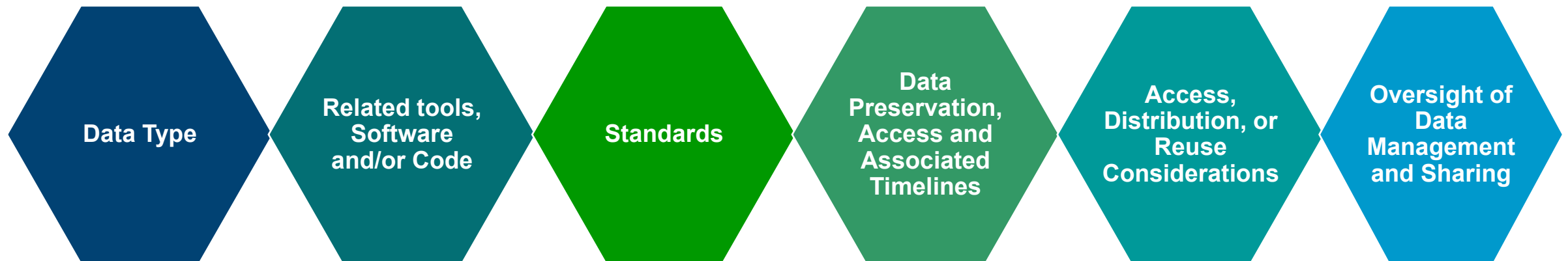


Policy Requirements

- Applies to all research generating [scientific data](#)
- NIH Activity Codes Subject to the DMS Policy: Research Projects, Certain Career Development Awards (Ks), Small Business SBIR/STTR, Research Centers [i.e., not to training grants (Ts, Fs), conference (R13), or others (Gs, S06)]. A complete list is found [here](#)
- Attach DMS Plan in new “Other Plan(s)” section. Plan should not include proprietary/private info
- Hypertext not allowed (after May 25, 2023, applications with hypertext will be withdrawn)
- When to Share: No later than accepted publication, OR at the end of the award, whichever is first
- Where to Share: NIH encourages use of established repositories (data-type or discipline-specific)
- Limitations for sharing must be justified

Policy Requirements, Cont'd

Six Elements to be Addressed in the DMS Plan





Peer Review Process

Hoa Vo, PhD
Scientific Review Officer, Center for Scientific Review

Scientific Review Process

OVERVIEW

Who?

[Special emphasis review panel](#) of experts from the extramural community will review applications submitted under this RFA

What?

Reviewers will evaluate according to guidelines listed in [RFA-NR-23-002: Advancing Integrated Models \(AIM\) of Care to Improve Pregnancy Outcomes among Women Who Experience Persistent Disparities \(R01 Clinical Trial Optional\) \(nih.gov\)](#)

When?

Level I peer review – July

Level II Advisory Council review – August

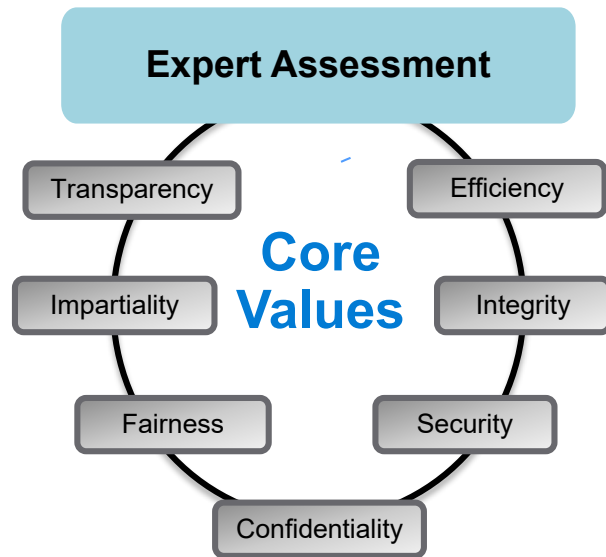
Written critiques (summary statement) will be provided to all applicants at the end of Level 1 review (within 30 days after the review meeting)

Where?

Center for Scientific Review will oversee Level 1 review (see [applicant resources](#))

Scientific Review Process

Two-Tiered Review System



PEER REVIEW PRINCIPLES

Level 1 Review:
Peer Review: Evaluation of scientific/technical Merit

Level 2 Review:
Council Review: Funding decisions based on IC priorities

**Scientific Review Group
(Special Emphasis
Panel)**

Non-federal scientists & experts will be assembled for the review of applications submitted under this FOA.

**Council Review
NIH Institute/Center**

Appointed members of scientific community and public representatives will discuss Level 1 review outcomes.

RFA-specific Review criteria

Reviewers will consider the core criteria *and* the [Plan for Enhancing Diverse Perspectives \(PEDP\)](#) within each core criteria and overall impact.

Significance	To what extent do the efforts described in the PEDP further the significance of the project?
Investigator(s)	To what extent will the efforts described in the PEDP strengthen and enhance the expertise required for the project?
Innovation	To what extent will the efforts described in the PEDP meaningfully contribute to innovation ?
Approach	Are the timeline and milestones associated with the PEDP well-developed and feasible?
Environment	To what extent will features of the environment described in the PEDP (e.g., collaborative arrangements, geographic diversity, institutional support) contribute to the success of the project?
Overall Impact	Assessment of core + additional review criteria, reflecting the likelihood of the project to exert a sustained, powerful influence on the field.

Additional Review Criteria

SCORE-DRIVING

- **Study Timeline** (required for clinical trials)
- **Protection for Human Subjects**
- **Inclusion of Women, Minorities, and Individuals Across the Lifespan**
- **Vertebrate Animals**
- **Biohazards**

Evaluated, but not scored individually.

Strengths/weaknesses contribute to assessment of Overall Impact.

NON SCORE-DRIVING

- **Select Agent Research**
- **Resource Sharing Plan**
- **Authentication of Key Biological and/or Chemical Resources**
- **Budget & Period of Support**

Comments provided, but not considered in scoring.

Do not contribute to Overall Impact.

Question and Answer

- Submit your questions in the Q&A box
- Please e-mail scientific inquiries and plans for individual research to a Program Officer
- Slides and recording will be posted to our website: nintr.nih.gov/newsandinformation/events/rfa-nr-23-002-webinar
- To receive NINR program announcements and information about funding opportunities join our listserv: www.nintr.nih.gov/subscribe

REMINDERS

- Applications are due May 1, 2023
- E-mail scientific inquiries to:
 - Shalanda.Bynum@nih.gov
 - Priscah.Mujuru@nih.gov
 - Damiya.Whitaker@nih.gov
 - Juliana.Blome@nih.gov
- E-mail review inquiries to:
 - Hoa.Vo@nih.gov



THANK YOU!

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